

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 25 March 2004 (25.03.2004)

PCT

(10) International Publication Number WO 2004/025764 A1

(51) International Patent Classification7: H01M 8/04, 8/02

[JP/JP]; 2-2-27, Tsurumakikita, Hadano-shi, Kanagawa 257-0001 (JP).

(21) International Application Number:

PCT/JP2003/010622

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(84) Designated States (regional): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,

IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

(81) Designated States (national): CN, KR, US.

(22) International Filing Date: 22 August 2003 (22.08.2003)

(25) Filing Language:

2002-265253

English

(26) Publication Language:

(30) Priority Data:

11 September 2002 (11.09.2002)

English

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Published:

with international search report

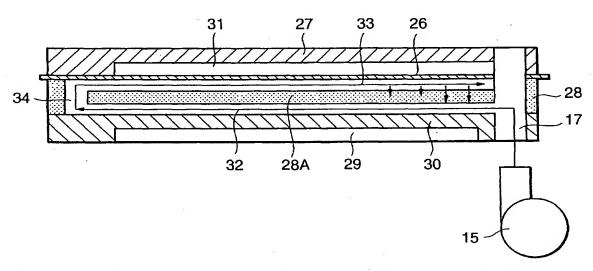
before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: POLYMER ELECTROLYTE FUEL CELL AND POWER GENERATION DEVICE



(57) Abstract: A fuel cell is provided with a membrane electrode assembly (26) in which an anode (26B) and a cathode (26C) are formed on both sides of a polymer electrolyte film (26A). The fuel cell is provided with a downstream gas supply channel (33) facing the cathode (26C), an upstream gas supply channel (32) through which a cathode gas is supplied to the downstream gas supply channel (33) and which does not face the cathode (26C), and a partition wall (28A) which is made from a porous material and partitions the downstream gas supply channel (33) and the upstream gas supply channel (32). Electro-chemical reactions of the cathode gas in the cathode (26C) generates a large amount of moisture. The moisture passes through the partition wall (26A) and humidifies the cathode gas of the upstream gas supply channel (32), thereby making the moisture distribution in the membrane electrode assembly (26) uniform.

